

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A computer-implemented method of integrating software systems comprising:

identifying, by a processor of the computer, a scope of the integration based on a multi-level top-down approach;

identifying, by the processor, faults in business rules that define software in the scope of the integration by applying generic depth-first search (DFS)-based techniques to the business rules; and

modifying, by the processor, the business rules based on the identified faults.

2. (previously presented) The computer-implemented method of claim 1, where identifying faults in the business rules includes:

representing the business rules using a transition-directed graph (TDG) representation.

3. (previously presented) The computer-implemented method of claim 1, where the multi-level top-down approach includes:

a first level that includes high-level software systems.